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EXAMINER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *15 April 2008*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-32,34,36,38,40 and 41* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-32, 34, 36, 38, 40-41* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1.   The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2.   Claims 1, 40, 41 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claim's previous amendment "uni-directional connection" was no supported in the specification in such a way as to enable one skilled in the are to which it pertains.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-32, 34, 36, 38, 40-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Friday (U.S. 6,631,453) and Kenworthy (U.S, 6,317,837).

As per claims 1,13,17,22,28,36 Friday disclosed an image processing method for printing images on an image printing device based on a file stored in an image printing data transmission device using a portable terminal, said image printing data transmission device connected. to a first internal network provided behind a first firewall, said image printing device connected to a second internal network provided behind a second firewall, ,and a file server connected to an external network provided outside of said first firewall and said second firewall, comprising: said portable terminal establishing a connection with said image data transmission device via said second internal network, said second firewall, said external network, said first firewall and said first internal network wherein establishing the connection comprises using a protocol (col. 6, lines 14-41); wherein said image printing request identifies said stored file, said image data transmission device receiving said image printing request and preparing a print job to print images associated with said stored file in response to said image printing request; said image printing data transmission device establishing a connection with said file server via said first internal network, said first firewall, and said external network using a protocol, which allows only uni-directional connections from the internal network to the external network at said first firewall (col. 5, lines 42-66); said image data transmission device uploading said prepared print job to said file server; said image printing device establishing a connection with said file server via said second internal network, said second firewall, and said external network using a protocol, which allows only unidirectional connections from the second internal network to the external network at said second firewall: said image printing device downloading said print job from said file

server; and said image printing device printing images based on said downloaded printing

job data (col. 17, lines 48-67 & col. 18, lines 1-21).

However Friday did not disclose in detail "which allows a first bi-directional connection

between the first internal and the external network and a second bi-directional connection

between the second internal network and the external network; said portable terminal

transmitting an image printing request for said file stored in said image printing data

transmission device to said image printing data transmission device,".

In the same field of endeavor Kenworthy disclosed, "In this way, the NADFW-MS 111 is

able to screen a data packet based on particular network node from which the data packet

was sent. This mechanism provides the NADFW-MS 111 with multi-directional access

control (col. 8, lines 11-15).

It would have been obvious to one having ordinary skill in the art at the time of the

invention was made to have incorporate, "In this way, the NADFW-MS 111 is able to

screen a data packet based on particular network node from which the data packet was

sent. This mechanism provides the NADFW-MS 111 with multi-directional access

control" as taught by Kenworthy in the method of Friday to provide data secure

environment for business to business computing.

4.   As per claims 2,8 Friday-Kenworthy disclosed comprising said image data

transmission device transmitting a storage location data indicating where said uploaded

print job is stored on said file server to said portable terminal; said portable terminal

receiving said storage location data which said image data transmission device

transmitted (Friday, col. 4, lines 29-39); said portable terminal displaying said received

storage location data; and said image printing device receiving an entry of said storage

location data; wherein said image printing device downloads said print from the storage

location on said file server based on said storage location data (col. 5, lines 50-65).

5.   As per claims 3,9,33,35,37,39 Friday-Kenworthy disclosed comprising said image

data transmission device transmitting a storage location data indicating where said print

job is stored on said file server to said portable terminal; said portable terminal receiving

said storage location data which said image printing data transmission device transmitted;

said portable terminal displays said storage location data; said image printing device

receives an entry of said storage location data; wherein said image printing device

downloads said print job from the storage location on said file server based on said

storage location data (Friday, col. 18, lines 51-64).

6.   As per claims 4,10,18,23,26,29 Friday-Kenworthy disclosed further comprising

said file server transmitting a storage location data indicating where said print job

uploaded by said image printing data transmission device is stored on said file server to

said portable terminal; said portable terminal receiving said storage location data which

said file server transmitted (Friday, col. 18, lines 38-49); said portable terminal displays

said storage location data; and image printing device receiving an entry of said storage

location data; wherein said image printing device downloads said print job from the

storage location on said file server based on said storage location data (Friday, col. 18,

lines 51-64).

7.   As per claims 5,11,19,30 Friday-Kenworthy disclosed further comprising wherein

said file server transmitting a storage location data indicating where said print job

uploaded by said image data transmission device is stored on said file server to said

portable 10 terminal; portable terminal receiving said storage location data which said file

server transmitted (Friday, col. 18, lines 38-49); said portable terminal transferring, said

storage location data to said image printing device via said second internal network or a

local communication circuit; said image printing device receiving said storage location

data transferred by said portable terminal; wherein said image printing device loads said

print job from the storage location on said file server based on said storage location data

(Friday, col. 18, lines 51-64).

8.   As per claims 6,12,14,16,20,24,27,31 Friday-Kenworthy disclosed wherein said

image printing device is a printer (Kenworthy, col. 3, lines 19-21).

9.   As per claims 7,15,21,25,32,34,38 Friday-Kenworthy disclosed an image

processing method for printing an image on an image printing device based on a file

stored in an image printing data transmission device using a portable terminal, said image

printing data transmission device connected to a first internal network constructed inside

a first firewall, said image printing device connected to a second internal network

constructed inside a second firewall, and a file server connected to an external network

constructed on the outside of said first firewall and said second firewall, comprising: said

portable terminal establishing a connection with said image printing data transmission

device via a public network, a public network authenticating server connected to said first

internal network, and said first internal network; said portable terminal transmitting an

print job for said file stored in: said image printing data transmission device to said image

printing data transmission device (Kenworthy, col. 8, lines 11-15); image printing data

transmission device receives said image printing request transmitted by said portable

terminal and prepares an image printing data for said file according to said image printing

request; said image printing data transmission device establishing a connection with said

file server via said first internal network, said first firewall, and said external network

using a protocol, which is allows connections only from the first internal network to the

external network at said first firewall; said image printing data transmission device

uploads said prepared print job to said file server; said image printing device establishing

a connection with said file server via said second internal network, said second firewall,

and said external network using a protocol, which allows connections only from the

internal network to the external network at said second firewall; said image printing

device downloading said print job from said file server; and said image printing device

printing said image based on said downloaded print job (Friday, col. 17, lines 48-67 &

col. 18, lines 1-21).

Response to Arguments

10.   Applicant's arguments filed 04/15/2008 have been fully considered but they are

not persuasive. Response to applicant's argument is as follows.

A.   Applicant argued that prior art did not disclose, "A portable terminal, an image

printing device, an image data transmission device"

As to applicant's argument Friday disclosed, "The primary connectivity channel has

read/write head which is mounted at the end of an arm. The arm is coupled to a head

actuator which moves the arm and thus positions the read/write head above the surface of

the platter. The read/write head senses and converts the magnetic signals on the platter to

the electrical signals for the read operation. These electrical signals are sent to a

preamplifier circuit for amplification and signal processing (col. 12, lines 26-34)".

B.   Applicant argued that prior art did not disclose, "bi-directional connections

between the internal networks and the external network".

As to applicants argument Kenworthy disclosed, "In this way, the NADFW-MS 111 is

able to screen a data packet based on particular network node from which the data packet

was sent. This mechanism provides the NADFW-MS 111 with multi-directional access

control (col. 8, lines 11-15).

Conclusion

11.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of

time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the

advisory action. In no event, however, will the statutory period for reply expire later than

SIX MONTHS from the mailing date of this final action.

12.   Any inquiry concerning this communication or earlier communication from the

examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

13.   The examiner can normally be reached on Monday to Friday during normal

business hours.   If attempts to reach the examiner by telephone are unsuccessful,

the examiner's supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for

this group is (703)-746-7239. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

14.   Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for un published applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at (866)-217-9197 (toll-free).

Adnan Mirza
/A. M. M./
Examiner, Art Unit 2145

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145